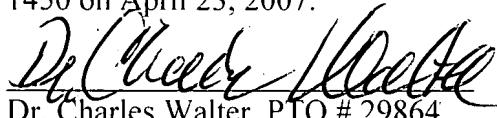




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I hereby certify that this document was deposited with the United States Postal Service as first class or priority mail in an envelope addressed to: Mail Stop AF TC 3600, Art Number 3672, Hon. Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 23, 2007.



A handwritten signature in black ink, appearing to read "Dr. Charles Walter".

Dr. Charles Walter, PTO # 29864

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICATION NO:** 10/660,427

**APPLICANT:** Charles Chester Irwin, Jr.

**FILED:** 9/12/03

**FOR:** THERMODYNAMIC PULSE LIFT OIL & GAS RECOVERY SYSTEM

**ART UNIT:** 3672

**EXAMINER:** William P. Neuder

**MAIL STOP AF TC 3600 ART# 3672**  
Hon. Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**APRIL 23, 2007**

**RESPONSE TO OFFICE ACTION DATED JANUARY 24, 2007 AND  
AMENDMENT UNDER 37 CFR 1.116**

Sir:

In response to the Office Action dated January 24, 2007, Applicant requests that, to place the above-identified application in condition for allowance, it be amended as follows:

**Amendments to the Specification** are reflected in the paragraphs on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin at page 11 of this paper.